

French Patent no. 1,221,455

Example 4 - Second paragraph, p. 3

For example, mild steel workpieces were placed in a powdered mixture comprising 4 parts (by weight) of powdered silicon, 5 parts by weight of powdered chromium, 91 parts of alumina and 0.5 parts of ammonium fluoride. The mixture was heated for six hours in a sealed container at 1100 °C. The steel was smooth after the treatment; a surface layer containing silicon and having a thickness of 0.203 mm was obtained. The "layer" was substantially free from pores and contained a small quantity of chromium.